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⌐ **1. Search methods used with transistor patent applications**

Cornog, June Roberts; Bryan, Herbert L.;
Spectrum, IEEE
Volume 3, Issue 2, Feb. 1966 Page(s):116 - 121
Digital Object Identifier 10.1109/MSPEC.1966.5216902
Summary: As the world has become more technically oriented, the number of patent applications ha been increasing also¿too rapidly for the Patent Office to assimilate them comfortably with current techniques. When an application for a patent is received, it m.....

AbstractPlus | Full Text: PDF(1821 KB)   IEEE JNL
Rights and Permissions

⌐ **2. Visualization Enhanced Semantic Wikis for Patent Information**

Giereth, M.; Ertl, T.;
Information Visualisation, 2008. IV '08. 12th International Conference
9-11 July 2008 Page(s):185 - 190
Digital Object Identifier 10.1109/IV.2008.50
Summary: In this paper we present a new approach for using semantic wikis for collaborative patent search and annotation. We describe an extension that allows integrating interactive visualizations int semantic wikis for getting deeper insights into the clas.....

AbstractPlus | Full Text: PDF(677 KB)   IEEE CNF
Rights and Permissions

⌐ **3. Improving patent retrieval system using ontology**

Sung-Shin Lim; Sung-Won Jung; Hyuk-Chul Kwon;
Industrial Electronics Society, 2004. IECON 2004. 30th Annual Conference of IEEE
Volume 3, 2-6 Nov. 2004 Page(s):2646 - 2649 Vol. 3
Digital Object Identifier 10.1109/IECON.2004.1432223
Summary: The importance of patents is increasing as intellectual property becomes a core part of aι industry. Most commercial patent retrieval systems are based on Boolean models, which are not cap of ranking similarity between queries and documents. In .....

AbstractPlus | Full Text: PDF(363 KB)   IEEE CNF
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⌐ **4. Information retrieval and knowledge discovery utilizing a biomedical patent semantic Web**

Mukherjea, S.; Bamba, B.; Kankar, P.;
Knowledge and Data Engineering, IEEE Transactions on
Volume 17, Issue 8, Aug. 2005 Page(s):1099 - 1110
Digital Object Identifier 10.1109/TKDE.2005.130
Summary: Before undertaking new biomedical research, identifying concepts that have already been patented is essential. A traditional keyword-based search on patent databases may not be sufficient retrieve all the relevant information, especially for the b.....

AbstractPlus | Full Text: PDF(776 KB)   IEEE JNL
Rights and Permissions

5. Intelligent subject matter classification and retrieval

Legakis, L.; Nugent, J.; Bowen, D.G.; Bowen, J.;
Electrical and Computer Engineering, 1993. Canadian Conference on
14-17 Sept. 1993 Page(s):15 - 18 vol.1
Digital Object Identifier 10.1109/CCECE.1993.332247
Summary: This paper describes a research project entitled Expert Patent Search Assistant (EPSA) under contract with Consumer and Corporate Affairs Canada. The project developed a method of automating the expertise required to navigate the Canadian Patent Clas.....

AbstractPlus | Full Text: PDF(412 KB)   IEEE CNF
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6. Invention: the pitfalls of patent searches knowing about

Teska, K.;
Spectrum, IEEE
Volume 45, Issue 6, June 2008 Page(s):29 - 29
Digital Object Identifier 10.1109/MSPEC.2008.4531456
Summary: Knowing about patents can sometimes be worse than not knowing. You can learn a lot by searching patents, but what you learn can sometimes be dangerous. If a court should ever find that y infringed on a patent knowingly, you might have to pay triple.....

AbstractPlus | Full Text: PDF(1015 KB)   IEEE JNL
Rights and Permissions

7. Quantum computation patent mapping - a strategic view for the information technique of tomorrow

MuChiu Chang;
Services Systems and Services Management, 2005. Proceedings of ICSSSM '05. 2005 International Conference on
Volume 2, 13-15 June 2005 Page(s):1177 - 1181 Vol. 2
Digital Object Identifier 10.1109/ICSSSM.2005.1500183
Summary: Quantum computation, or quantum information in a more general terminology, is deemed information technique (IT) of next generation. Our research shows that the market of quantum information techniques has just begun and grows up steadily. Moreove.....

AbstractPlus | Full Text: PDF(344 KB)   IEEE CNF
Rights and Permissions

8. The best patents of all

Emma, P.G.;
Micro, IEEE
Volume 26, Issue 2, March-April 2006 Page(s):84 - 84
Digital Object Identifier 10.1109/MM.2006.43
Summary: The author defined the most useful patent as the one whose principal element appears a essential element in more publications than any other patent. The author found three close contende after an extensive literature search. The top two patents.....

AbstractPlus | Full Text: PDF(238 KB)   IEEE JNL
Rights and Permissions

9.
Google Searches for Ad Dollars in Social Networks

Anderson, M.;

Summary: The U.S. Patent and Trademark Office recently published a series of intriguing patent applications from Google. They raise questions about the search giant¿s significance for the profitab of social networks¿and whether anyone has figured out how.....

AbstractPlus | Full Text: PDF(1314 KB)   IEEE JNL
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☐ ### 10. An Information System for Petroleum Engineering Technology

Martinez, Samuel J.;
Summary: The current technology of the exploration and production segment of the petroleum indus is comprehensively reviewed by the Information Services Department of The University of Tulsa, anc abstracts of pertinent articles and patents, domestic and fo.....

AbstractPlus | Full Text: PDF(1418 KB)   IEEE JNL
Rights and Permissions

☐ ### 11. NP tree matching for English-Chinese translation of patent titles

Dongfeng Cai; Xiaoqing Lin; Duo Ji; Jie Yang;
Summary: This paper proposes a method of NP tree matching to realize the translation of English-Chinese patent titles. Firstly a bilingual example database for patent titles is built. English parse trees produced by English parser, forming NP tree databas.....

AbstractPlus | Full Text: PDF(275 KB)   IEEE CNF
Rights and Permissions

☐ ### 12. An Algorithm for Classifying Articles and Patent Documents Using Li Structure

Indukuri, K.V.; Mirajkar, P.; Sureka, A.;
Summary: Studying link structure of the World Wide Web (WWW) is an area which has attracted a l interest. Several papers have been published on structural analysis of hyperlinked environments suc the WWW. The WWW can be modeled as a graph and valuabl.....

AbstractPlus | Full Text: PDF(420 KB)   IEEE CNF
Rights and Permissions

☐ ### 13. The Application and Research of Ontology Construction Technology

Wenwen Yi; Yong Sun; Shukui Zhang; Yingfeng Wu; Zhenhua Chu;
Summary: In the field of search, the application of ontology is an important research topic. Introducti of ontology technology in the retrieval system with massive data can make the searching results mor comprehensive. However, now days the ontology is con.....

AbstractPlus | Full Text: PDF(528 KB)   IEEE CNF
Rights and Permissions

☐ ### 14. Dynamics of Innovation Strategies in the Optical Memories Industry: Analysis Based on Patent Indicators

lo Storto, C.;

5-9 Aug. 2007 Page(s):91 - 104
Digital Object Identifier 10.1109/PICMET.2007.4349322

Summary: Technological innovation is characterized by a searching activity of optimal alternatives w
is fundamentally dominated by an intense activity addressed to identify and solve technical problems
components recombination is a very efficient sour.....

AbstractPlus | Full Text: PDF(6345 KB)   IEEE CNF
Rights and Permissions

15. **In-memory storage and search system for event management in network security**

Yuan Fan; Xiao Su;
Information Technology: Coding and Computing, 2005. ITCC 2005. International Conference on
Volume 2, 4-6 April 2005 Page(s):734 - 739 Vol. 2
Digital Object Identifier 10.1109/ITCC.2005.174

Summary: The performance of network security applications greatly depends on the amount of netw
related events that can be kept in memory. Storing a larger number of events in memory can facilitati
tasks like correlation analysis in intrusion detection, lo.....

AbstractPlus | Full Text: PDF(160 KB)   IEEE CNF
Rights and Permissions

16. **Knowledge Sharing and Value Flow in the Software Industry: Searchi the Patent Citation Network**

Dreyfus, D.; Iyer, B.;
System Sciences, 2005. HICSS '05. Proceedings of the 38th Annual Hawaii International Conferenc
03-06 Jan. 2005 Page(s):87a - 87a
Digital Object Identifier 10.1109/HICSS.2005.379

Summary: A firm's innovative capabilities depend on its ability to learn from the environment. To lea
from the environment a firm must have access to external knowledge, and it must have the absorptiv
capacity to identify, assimilate and exploit such knowl.....

AbstractPlus | Full Text: PDF(168 KB)   IEEE CNF
Rights and Permissions

17. **Patents: untapped sources of technical information**

Shlaes, C.;
Technology Management : the New International Language, 1991
27-31 Oct. 1991 Page(s):583
Digital Object Identifier 10.1109/PICMET.1991.183729

Summary: Summary form only given. The author has considered the importance of patent informati(
the types of information available, and how a technology manager can use this information to benefit
company. It is noted that patent information can guard a.....

AbstractPlus | Full Text: PDF(76 KB)   IEEE CNF
Rights and Permissions

18. **The perils of picking a trademark**

Klee, M.M.;
Engineering in Medicine and Biology Magazine, IEEE
Volume 17, Issue 5, Sept.-Oct. 1998 Page(s):140, 149
Digital Object Identifier 10.1109/51.715498

Summary: As anyone who has done it knows, picking a trademark is hard to do. First, there are the
marketing considerations-a good mark can make a good product or service sell even better. Then th(
are the legal issues. Some marks are not entitled to legal p.....

AbstractPlus | Full Text: PDF(328 KB)   IEEE JNL
Rights and Permissions

19. **Do-it-yourself patents**

Loebner, H.;
Spectrum, IEEE
Volume 43, Issue 4, April 2006 Page(s):68 - 70
Digital Object Identifier 10.1109/MSPEC.2006.1611764

Summary: This paper provides some important advice on how you can write and apply for your own patent without the help of a lawyer. Some of the useful advice given include conducting extensive pa searches via the Internet, purchasing software for correctl.....

Full Text: PDF(772 KB)   IEEE JNL
Rights and Permissions

☐ 20. **Measuring Similarities between XML Documents Based on Content a Structure**

Xiaoling Xia; Yongming Guo; Jiajin Le;
Information Processing, 2009. APCIP 2009. Asia-Pacific Conference on
Volume 1, 18-19 July 2009 Page(s):459 - 462
Digital Object Identifier 10.1109/APCIP.2009.119
Summary: Extended Marked-up Language (XML) has become a de facto standard for information representation and data exchange over the Web. As a result, large amounts of XML documents eme in many application areas, such as Digital library, patent retrieval an.....

AbstractPlus | Full Text: PDF(317 KB)   IEEE CNF
Rights and Permissions

☐ 21. **Multivariate Patent Similarity Detection**

Kasravi, K.; Risov, M.;
System Sciences, 2009. HICSS '09. 42nd Hawaii International Conference on
5-8 Jan. 2009 Page(s):1 - 8
Digital Object Identifier 10.1109/HICSS.2009.318
Summary: As patent filings and litigations increase, there is an increasing demand for more effective detection of similarities among patents, leading to better prior art search, market gap analysis, infringement detection, legal discovery, and litigation sup.....

AbstractPlus | Full Text: PDF(327 KB)   IEEE CNF
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☐ 22. **Understanding the implications of the Patent Reform Act of 2007**

Rubin, S.;
Systems, Applications and Technology Conference, 2008 IEEE Long Island
2-2 May 2008 Page(s):1 - 5
Digital Object Identifier 10.1109/LISAT.2008.4638944
Summary: The Patent Reform Act of 2007 is touted as the most significant modification to the Paten Statute in the past 50 years. Its impetus, in theory, is to respond to the "broken" patent system, and i goals are to improve patent quality and the patent a.....

AbstractPlus | Full Text: PDF(80 KB)   IEEE CNF
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☐ 23. **TOPICA project. Towards the total system for presentation and invention by creativity-acceleration**

Kawagoe, M.; Yamaguchi, T.; Aoyama, H.;
System Sciences, 1990., Proceedings of the Twenty-Third Annual Hawaii International Conference c
Volume iv, 2-5 Jan. 1990 Page(s):389 - 397 vol.4
Digital Object Identifier 10.1109/HICSS.1990.205283
Summary: The authors introduce the TOPICA project which attempts to build an idea-accelerator to support human creativity near the origin of ideas. Specifically, TOPICA attempts to discover the nove and superiority of an idea and to create a persuasive pre.....

AbstractPlus | Full Text: PDF(516 KB)   IEEE CNF
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☐ 24. **Exploring Cognitive Difference in Education using Average Path Len of Concept Map**

Yan-Ru Li; Guo-En Tong; Chao-Fu Hong; Leuo-hong Wang;
Systems, Man and Cybernetics, 2006. SMC '06. IEEE International Conference on
Volume 3, 8-11 Oct. 2006 Page(s):2133 - 2136
Digital Object Identifier 10.1109/ICSMC.2006.385176
Summary: Patent research is one of the most important processes to understand the state of the art

research and development. However, traditional searching strategies are not systematic in an effecti·
way. This paper proposes a heuristic method for paten.....

AbstractPlus | Full Text: PDF(2131 KB)   IEEE CNF
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☐   ### 25. Dynamic Change of a Multi-Agent Workflow for Patent Invention Usin Utility Function

Szu-Yin Lin; Bo-Yuan Chen; Hsien-Tzung Wu; Von-Wun Soo; Ku, C.C.;
Computer Supported Cooperative Work in Design, 2007. CSCWD 2007. 11th International Conferen
on
26-28 April 2007 Page(s):389 - 394
Digital Object Identifier 10.1109/CSCWD.2007.4281467
Summary: Patent invention includes various types of knowledge processing tasks such as patent document analysis, patent search, patent classification, patent valuation, to ensure the usefulness ar novelty of the new patent invention. In the past, patent inve.....

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